

## PRE ALGEBRA REVIEW TEST 1

---

Solve the following.

1.  $-7 + -7 =$

2.  $5 + -8 =$

3.  $(7) - (-3) =$

4.  $6 + -10 =$

5.  $-\frac{3}{8} + \frac{7}{24} =$

6.  $\frac{2}{7} - -\frac{5}{21} =$

7.  $-10 - 6 =$

8.  $7 \times -6 =$

9.  $-5 \times -5 =$

10.  $15 \div -3 =$

11.  $-24 \div -8 =$

12.  $-48 \div 6 =$

13.  $-\frac{1}{2} \times 2 =$

14.  $-.07 \times -.7 =$

15.  $-9.3 \cdot 4.1 =$

16.  $\frac{3}{4} \left(-\frac{5}{8}\right) =$

17.  $\frac{\frac{1}{3}}{\frac{1}{2}} =$  (Divide the fractions)

18.  $-\frac{4}{8} \div \frac{3}{4} =$

Solve for x.

19.  $10 + x = 13$

20.  $x - 10 = 90$

21.  $5x = 30$

22.  $\frac{55}{x} = 5$

23.  $\sqrt{64} = x$

24.  $3^2 \div 3 + 6 = x$

Solve for x in terms of y.

25.  $x - 1 = y$

26.  $x + 2 = y$

27.  $5 + x = y$

28. Use the slope formula to find the slope of a line with coordinates (2, 3) and (3, 5).

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

## Pre Algebra Review Test 1

1.  $-7 + -7 = -14$

2.  $5 + -8 = -3$

3.  $(7) - (-3) = 10$

4.  $6 + -10 = -4$

5.  $-\frac{3}{8} + \frac{7}{24} = -\frac{2}{24}$  or  $-\frac{1}{12}$

6.  $\frac{2}{7} - -\frac{5}{21} = \frac{11}{21}$

7.  $-10 - 6 = -16$

8.  $7 \times -6 = -42$

9.  $-5 \times -5 = 25$

10.  $15 \div -3 = -5$

11.  $-24 \div -8 = 3$

12.  $-48 \div 6 = -8$

13.  $-\frac{1}{2} \times 2 = -1$

14.  $-.07 \times -.7 = .049$

15.  $-9.3 \cdot 4.1 = -38.13$

16.  $\frac{3}{4} \left(-\frac{5}{8}\right) = -\frac{15}{32}$

17.  $\frac{1}{3} \div \frac{1}{2} = \frac{1}{3} \times \frac{2}{1} = \frac{2}{3}$

18.  $-\frac{4}{8} \div \frac{3}{4} = -\frac{16}{24}$  or  $-\frac{2}{3}$

19.  $10 + x = 13$   
 $\frac{-10}{-10} \quad \frac{-10}{-10}$   
 $x = 3$

20.  $x - 10 = 90$   
 $\frac{+10}{+10} \quad \frac{+10}{+10}$   
 $x = 100$

21.  $5x = 30$   
 $5x \div 5 = 30 \div 5$   
 $x = 6$

22.  $\frac{55}{x} = 5$   
 $x \left(\frac{55}{x}\right) = 5x$   
 $55 = 5x$   
 $11 = x$

23.  $\sqrt{64} = x$   
 $8 = x$

24.  $3^2 \div 3 + 6 = x$   
 $(9 \div 3) + 6 = x$   
 $3 + 6 = x$   
 $9 = x$

25.  $x - 1 = y$   
 $\frac{+1}{+1} \quad \frac{+1}{+1}$   
 $x = y + 1$

26.  $x + 2 = y$   
 $\frac{-2}{-2} \quad \frac{-2}{-2}$   
 $x = y - 2$

27.  $5 + x = y$   
 $\frac{-5}{-5} \quad \frac{-5}{-5}$   
 $x = y - 5$

28. Use the slope formula to find the slope of a line with coordinates (2, 3) and (3, 5).

$$m = \frac{5 - 3}{3 - 2} = \frac{2}{1} = 2$$